

Converting Colors

$Yxy(42.0649, 0.2980, 0.3346)$

Have a look what the booklet for
Yxy(42.0649, 0.2980, 0.3346)
contains.

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Color

Yxy(42.0649, 0.2980, 0.3346)

Conversions

Conversions Part 1

Format	Color
Hex	9DB2AE
RGB	157, 178, 174
RGB Percent	62%, 70%, 68%
CMY	0.3843, 0.3019, 0.3176
CMYK	0.12, 0.00, 0.02, 0.30
HSL	169°, 12%, 66%
HSV	169°, 12%, 70%
XYZ	37.4637, 42.0649, 46.1884
YIQ	171.2650, -11.2320, -5.6960

Conversions

Conversions Part 2

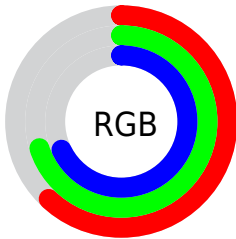
Format	Color
RYB	157, 169, 178
Decimal	10334894
CIELab	70.92, -8.04, -0.42
CIELCh	71, 8.046, 182.998
Yxy	42.0649, 0.2980, 0.3346
Android (android.graphics.Color)	4288524974 (0xFF9DB2AE)
YUV	171.2650, 1.3484, -12.5104
Hunter-Lab	64.8575, -10.3935, 3.1767

Details

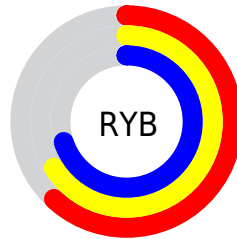
The Yxy color $42.0649, 0.2980, 0.3346$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $36.1505, 0.3297, 0.3235$, and the grayscale version is $40.8623, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.4998, 0.3012, 0.3344$, and $19.1365, 0.2938, 0.3349$ is the 20% darker color. If you saturate the color by 10%, you get $40.2741, 0.2862, 0.3398$, and if you desaturate by 10%, it is $44.1234, 0.3104, 0.3298$.

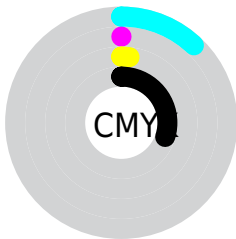
Distribution



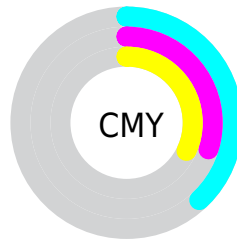
- Red (62%)
- Green (70%)
- Blue (68%)



- Red (62%)
- Yellow (66%)
- Blue (70%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)





- Cyan (38%)
- Magenta (30%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0649, 0.2980, 0.3346 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 42.0649, 0.2980, 0.3346 by changing the saturation by 10% instead.


 42.0649, 0.2980,
0.3346

 42.0649, 0.2980,
0.3346


354.7519, 0.3055,
0.3318

 29.1521, 0.2961,
0.3353


 78.2978, 0.3007,
0.3336

 19.1959, 0.2936,
0.3362


 102.3868, 0.3018,
0.3332

 11.8119, 0.2903,
0.3375


130.9699, 0.3026,
0.3329

 6.6157, 0.2855,
0.3393

164.4316, 0.3034,
0.3326

 3.2230, 0.2782,
0.3420

203.1562, 0.3040,
0.3323

 1.2492, 0.2656,
0.3466

247.5282, 0.3046,

 0.1014, 0.0000,

0.3321

0.4203

297.9320, 0.3050,
0.3319

0.0000, 0.0000,
0.0000

42.0649, 0.2980,
0.3346

42.0649, 0.2980,
0.3346

40.2741, 0.2862,
0.3398

44.1234, 0.3104,
0.3298

38.7345, 0.2753,
0.3455

46.4550, 0.3232,
0.3255

37.4357, 0.2655,
0.3516

49.0713, 0.3361,
0.3216

36.3647, 0.2572,
0.3580

51.9818, 0.3490,
0.3182

35.5072, 0.2505,
0.3646

55.1957, 0.3616,
0.3152

■ 34.8472, 0.2457,
0.3714

■ 57.0147, 0.3664,
0.3121

■ 34.3664, 0.2428,
0.3783

■ 57.1693, 0.3634,
0.3086

■ 34.0432, 0.2417,
0.3851

■ 57.3275, 0.3604,
0.3051

■ 33.8589, 0.2419,
0.3907

■ 57.4891, 0.3574,
0.3016

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.0649, 0.3084, 0.3439



42.0649, 0.2980, 0.3346



42.0649, 0.2915, 0.3239

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.0649, 0.2980, 0.3346



42.0649, 0.3050, 0.3099



42.0649, 0.3353, 0.3426

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.0649, 0.2980, 0.3346



36.1505, 0.3297, 0.3235

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



42.0649, 0.3344, 0.3335



42.0649, 0.2980, 0.3346



42.0649, 0.3167, 0.3148

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.0649, 0.2980, 0.3346



42.0649, 0.2955, 0.3099



42.0649, 0.3275, 0.3233



42.0649, 0.3300, 0.3484

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.0649, 0.2980, 0.3346



42.0649, 0.2903, 0.3176



42.0649, 0.3275, 0.3233



42.0649, 0.3357, 0.3398

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.0667, 0.2980, 0.3346



79.1215, 0.3076, 0.3309



41.8748, 0.3150, 0.3589



17.4656, 0.3066, 0.3312



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.0667, 0.2980, 0.3346



75.4437, 0.2951, 0.3358



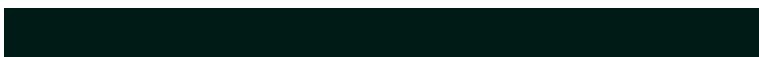
39.7738, 0.2948, 0.3200



9.6032, 0.3010, 0.3334



24.2334, 0.2417, 0.3899



0.7696, 0.2364, 0.3710

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.1505, 0.3297, 0.3235



62.7150, 0.3338, 0.3223



38.1998, 0.3325, 0.3378



8.5309, 0.3258, 0.3247



6.8619, 0.6069, 0.3117



0.2237, 0.5344, 0.2717

Previews

White Background



This preview shows how the Yxy color 42.0649, 0.2980, 0.3346 looks on a white background.

Color Contrast Check

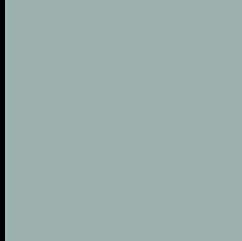
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 42.0649, 0.2980, 0.3346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

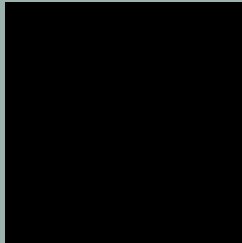
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

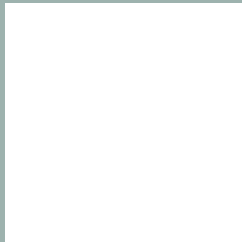
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0649, 0.2980, 0.3346

Background



This preview shows how black text looks on a background with the Yxy color 42.0649, 0.2980, 0.3346.



This preview shows how white text looks on a background with the Yxy color 42.0649, 0.2980, 0.3346.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.0649, 0.2980, 0.3346

Protanopia

41.7924, 0.3181, 0.3304

Deuteranopia

41.9587, 0.3252, 0.3186



Tritanopia

42.2420, 0.2883, 0.3098

Trichromacy



Original Color

42.0649, 0.2980, 0.3346

Protanomaly

41.7967, 0.3108, 0.3317

Deuteranomaly

41.9473, 0.3147, 0.3250

Tritanomaly

42.2759, 0.2920, 0.3193

Monochromacy



Original Color

42.0649, 0.2980, 0.3346

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.3577, 0.3073, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0649, 0.2980, 0.3346 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(157, 178, 174)` looks like.

```
.text, #text, p{  
    color:rgb(157, 178, 174)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(157, 178, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 178, 174) }
```

Border

The CSS property to change the border of an element to Yxy 42.0649, 0.2980, 0.3346 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 178, 174) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(157, 178, 174) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(157, 178, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 178, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 178, 174);  
box-shadow:4px 4px 4px 4px rgb(157, 178,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0649, 0.2980, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 178, 174) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(157,  
178, 174) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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